

## CLAIMS

1. A method for modelling a high-level service to be provided via a telecommunication network,

the method comprising:

5 modelling the high-level service by a software component model comprising at least one of each of the following:

- a network service component
- an application component; and
- a content component;

10 the software component model further comprising relations between said components.

2. A service topology database (ST) for storing and distributing information on service components which are operable to acts as components for building high-level services in a network, the service topology database  
15 comprising:

a) network service component data comprising for each of several network service components:

- identification information;
- status information;
- 20 - usage information; and
- parameter information indicating how the component can be parameterized to suit different service products;

b) relationships between service components, the relationships indicating restrictions related to use of components for a service product;

25 c) service product data comprising for each of several service products:

- identification information;
- status information;
- usage information; and
- 30 - information on network service components used for the service product;
- parameter information on the used service components;
- service component level information comprising at least tariff information; and

35 - deployment rules determining how the service product is deploy-

able in the network.

3. A service planning unit (SP) for planning high-level service products to subscribers in a telecommunication network, wherein the service planning unit (SP) comprises or is closely connected to:

5           a service topology database (ST) for storage and on-line distribution of information on service components which are operable to act as components for building high-level services in a network;

          a service simulation and testing section (SS) for providing functions relating to verification of service products;

10          a service deployment section for deploying services in the telecommunication network;

          a service assurance section for monitoring and reporting of the service products; and

15          a usage reporting section for processing reports on the service products' performance and usage.